



ABSTRACT

A microwave oven applicable to over-the-range use includes an air path for cooling the electric components of the microwave oven. The microwave oven includes a ventilation motor assembly mounted on the top a cooking cavity, for forming both a flow of air functioning as a over-the-range exhaust and a flow of air for cooling the electric components. The flow of cooling air begins at a suction grill, through which outer air is provided to the top of the cooking cavity by the force of a ventilation motor assembly. The electric components are positioned in the flow of air that passes through the suction grill to the top of the cooking cavity and flows to the ventilation motor assembly. The flow path of the electric component cooling air is substantially linear, resulting in increased cooling efficiency with enhanced reliability of the electric components.